

What is claimed is:

1. A method for the production of a glass substrate for magnetic recording mediums, characterized in that the final cleaning step is performed in two stages, in which as the second cleaning stage, scrubbing and dip-cleaning steps are carried out after the completion of the first cleaning stage and after the growth of needle-like projections comprising an alkali metal carbonate on the surface of the glass substrate.
2. The method for the production of a glass substrate for magnetic recording mediums as set forth in claim 1, which comprises disk-processing, grinding, polishing and subsequent cleaning steps as well as a chemical strengthening step carried out between the grinding and polishing steps, or between the first and second polishing stages when the polishing step is stepwise carried out in two stages, or between the polishing and subsequent cleaning steps, the method being characterized in that it further comprises the steps of scrub-cleaning and dip-cleaning the glass substrate and then drying the same, after the completion of the foregoing cleaning step and after the growth of needle-like projections comprising an alkali metal carbonate on the surface of the glass substrate.
3. The method for the production of a crystallized glass substrate for magnetic recording mediums as set forth in claim 1, which comprises the steps of disk-processing, grinding, polishing and subsequent cleaning, the method being characterized in that it further comprises the steps of scrub-cleaning and dip-cleaning the glass substrate and then drying the same, after the completion of the foregoing

cleaning step and after the growth of needle-like projections comprising an alkali metal carbonate on the surface of the glass substrate.

4. The method for the production of a crystallized glass substrate for magnetic recording mediums as set forth in claim 1, wherein the growth of the needle-like projections is accelerated.

5. The method for the production of a crystallized glass substrate for magnetic recording mediums as set forth in claim 2, wherein the growth of the needle-like projections is accelerated.

6. The method for the production of a crystallized glass substrate for magnetic recording mediums as set forth in claim 3, wherein the growth of the needle-like projections is accelerated.

7. The method for the production of a crystallized glass substrate for magnetic recording mediums as set forth in claim 1, wherein the scrub-cleaning as the second cleaning stage is carried out in the presence of a slurry of a fine particulate abrasive.

8. The method for the production of a crystallized glass substrate for magnetic recording mediums as set forth in claim 2, wherein the scrub-cleaning as the second cleaning stage is carried out in the presence of a slurry of a fine particulate abrasive.

9. The method for the production of a crystallized glass substrate for magnetic recording mediums as set forth in claim 3, wherein the scrub-cleaning as the second cleaning stage is carried out in the presence of a slurry of a fine particulate

abrasive.

10. The method for the production of a crystallized glass substrate for magnetic recording mediums as set forth in claim 4, wherein the scrub-cleaning as the second cleaning stage is carried out in the presence of a slurry of a fine particulate abrasive.

11. The method for the production of a crystallized glass substrate for magnetic recording mediums as set forth in claim 5, wherein the scrub-cleaning as the second cleaning stage is carried out in the presence of a slurry of a fine particulate abrasive.

12. The method for the production of a crystallized glass substrate for magnetic recording mediums as set forth in claim 6, wherein the scrub-cleaning as the second cleaning stage is carried out in the presence of a slurry of a fine particulate abrasive.

0936397-05404
T04250-2529360